



Towards Big Data in Medical Imaging

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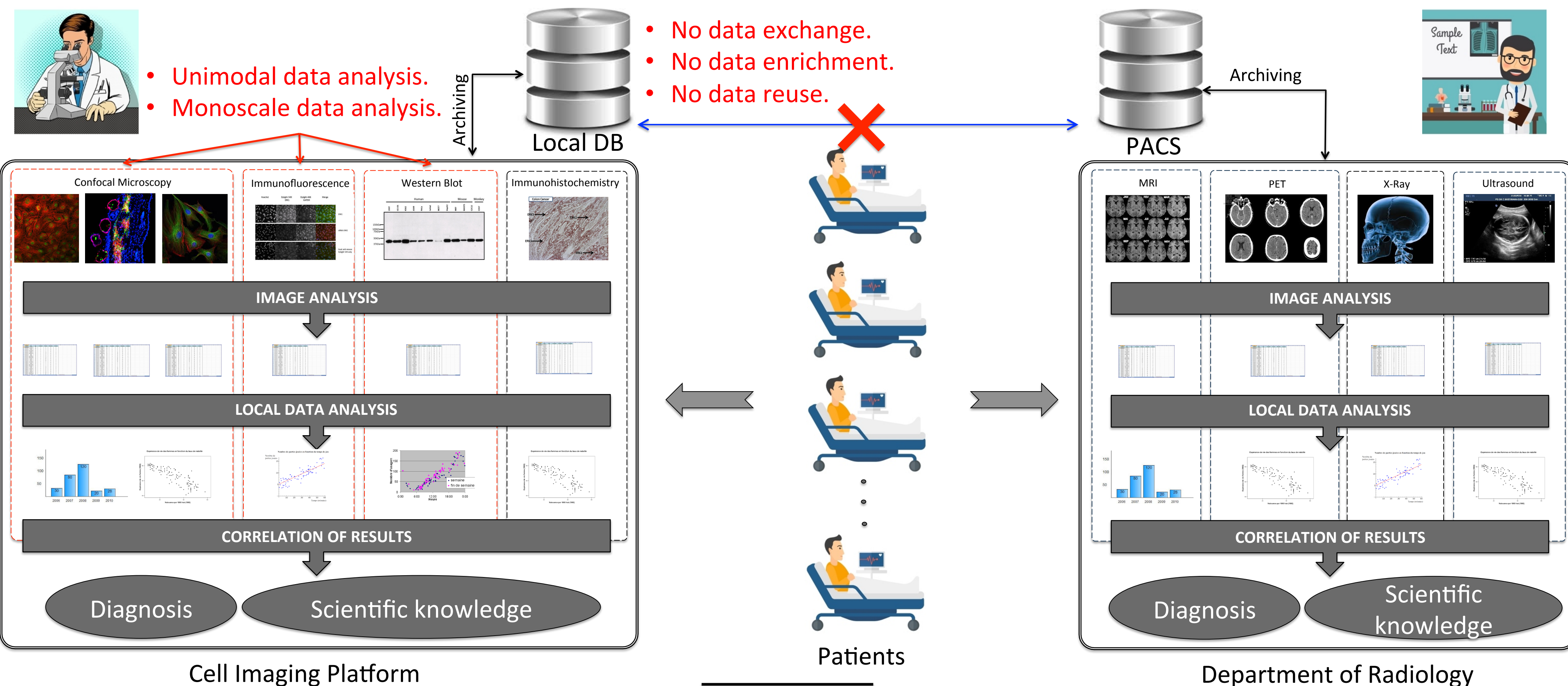
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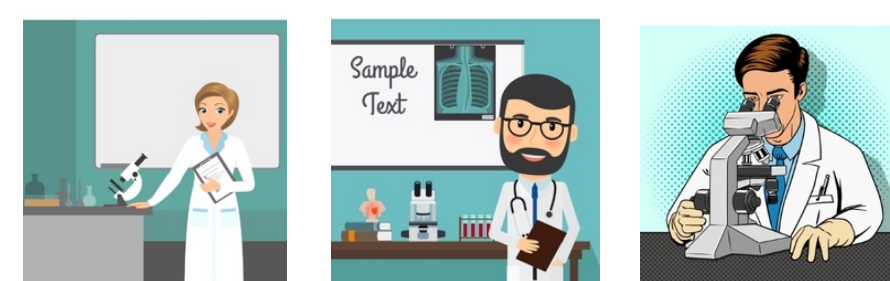
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Background



Objectives

Diagnosis improvement



Health professionals and scientists

Open Data

Radiology Lexicon

PCSB PDB PROTEIN DATA BANK

Radiology Tag Ontology

HomoloGene Discover Homologs

OMIM MGI

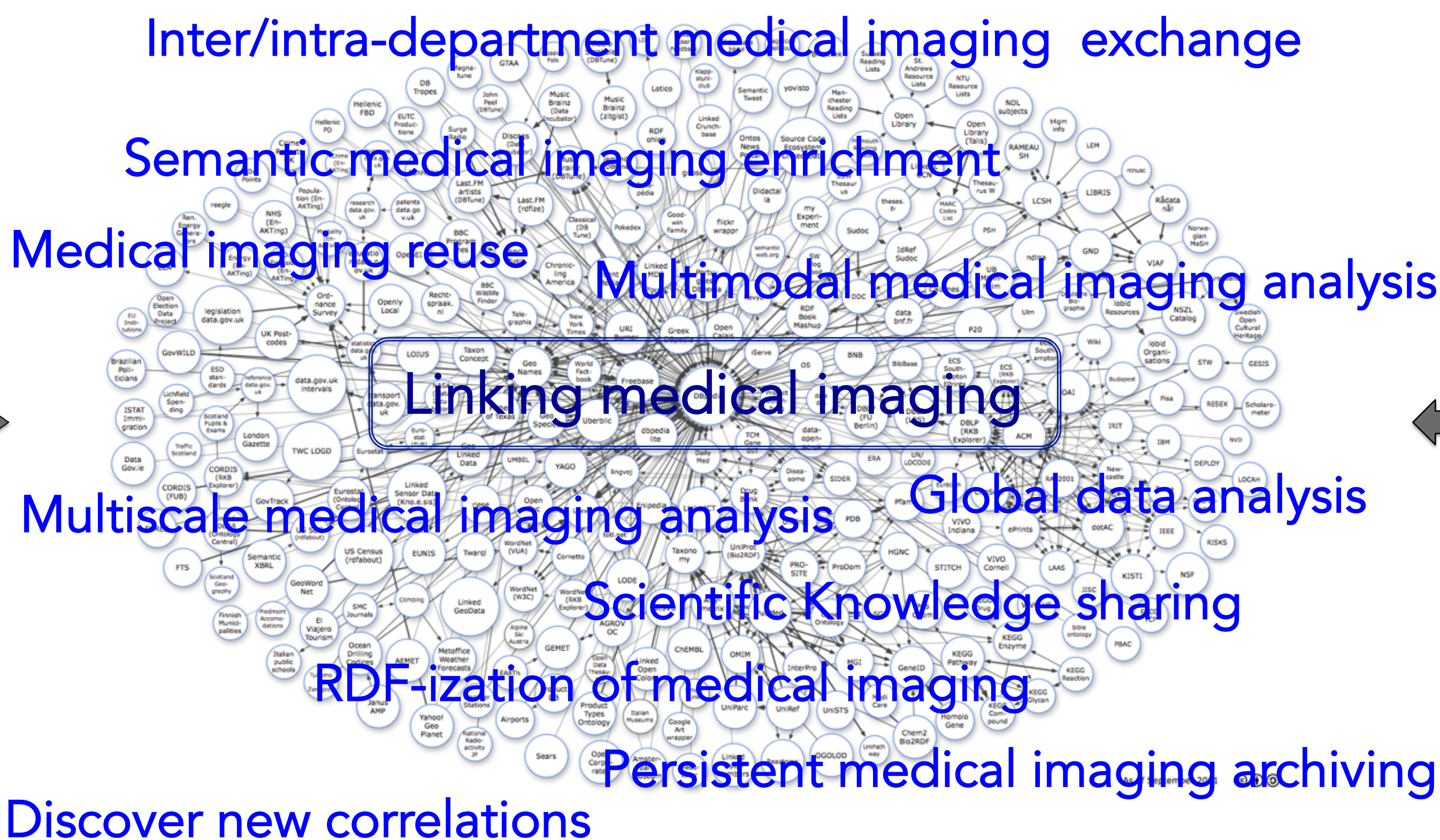
PubMed

UniProt ChEBI

PubChem

GENE ONTOLOGY Unifying Biology

Pfam BIOCARTE



Semantic Web



NoSQL

IDV Virtual Datacenter

MAGI 2

CUMULUS

S-CAPAD

SPC Cloud and HPC infrastructures : CIRRU